

02-13-2002



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PATENTS ONLY
Attorney's Do. No. 5038-132

C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of: Hyun Mun Kim, Hyung-Suk Kim, Tinku Acharya

Serial No.: 09/947,266

Filed: September 5, 2001

For: FAST HALF-PIXEL MOTION ESTIMATION USING
STEEPEST DESCENT

1:29:02

BOX ASSIGNMENTS
Commissioner of Patents
and Trademarks
Washington, DC 20231

Please re-record the attached original document or copy thereof and return the recorded instrument to the undersigned.

- 1. Name of parties conveying an interest:
 - (1) Hyun Mun Kim
 - (2) **Hyung-Suk Kim**
 - (3) Tinku Acharya

- 2. Name and address of party receiving an interest:
 - Intel Corporation (a Delaware corporation)
 - 2200 Mission College Blvd.
 - P.O. Box 58119
 - Santa Clara, California 95052-8119

- 3. Description of the interest conveyed:
 - Assignment Change of Name Security Agreement Merger
 - Other: Re-recording of Assignment to correct error in Assignor's name "Hyung-Suk Kim"**

- Date of execution of attached document:
 - (1) August 30, 2001
 - (2) Sept. 4, 2001
 - (3) August 30, 2001

- 4. Application number(s) or patent number(s): 09/902,827
Additional sheet attached? Yes No

A. Patent Application No. 09/947,266 B. Patent No.

02/12/2002 MUELLER 00000104 09947266

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5. Name and address of party to whom correspondence concerning document should be mailed:

Julie L. Reed
MARGER JOHNSON & McCOLLOM, P.C.
1030 S.W. Morrison Street
Portland, Oregon 97205
Telephone: (503) 222-3613

6. Number of applications and patents involved: one

7. PTO Form 2038 authorizing credit card payment of the assignment recordal fee (\$40.00) is enclosed.

8. Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.

9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Dated: January 8, 2002

Respectfully submitted,

MARGER, JOHNSON & McCOLLOM, P.C.

Julie L. Reed

Julie L. Reed

Registration No. 35,349

Total number of pages comprising
cover sheet and attached assignment: 4

I HEREBY CERTIFY THAT THIS COR-
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ON 1-8-02

J. Sullivan

PATENT APPLICATION
Attorney's Do. No. 5038-132
Client Ref. No. P12517

ASSIGNMENT

Assignor: Hyun Mun Kim
Address: 6633 E. Greenway Parkway #1013
Scottsdale, Arizona 85254

Assignor: Hyung-Suk Kim
Address: 1825 W. Ray Road, #1016
Chandler, Arizona 85224

Assignor: Tinku Acharya
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Chandler, Arizona 85226

Assignee: Intel Corporation (a Delaware corporation)
Address: 2200 Mission College Blvd.
P.O. Box 58119
Santa Clara, CA 95052-8119

**Title of
Invention:** FAST HALF-PIXEL MOTION ESTIMATION
USING STEEPEST DESCENT

U.S. Patent Application:

Application Serial No.: Not yet known

Filing Date: Filed herewith

U.S. Patent No.:

Issued:

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant

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that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at Chandler, Arizona, this 30th day of August,
2001.

Hyun M. Kim
Hyun M. Kim
Assignor

Executed at Chandler, Arizona, this 4th day of September,
2001.

Hyung-Suk Kim
Hyung-Suk Kim
Assignor

Executed at Chandler, Arizona, this 30th day of August,
2001.

Tinku Acharya
Tinku Acharya
Assignor

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